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REMARKS

This responds to the Office Action mailed on March 15, 2004.

Claim 1 is amended and claim 32 is added. As a result, claims 1-3, 14, 15, 19, 28-32 are now pending in this application.

No new matter is added by the amendment of claim 1 or new claim 32. The amendment of claim 1 eliminates text added in the last amendment and clarifies the character of the biologically active mixture. Support will be found in claim 1 as originally filed and in the description of the carrier, pages 7 and 8 of the specification.

The amendment of claim 29 is supported by the specification at page 3, lines 14-17. New claim 32 is supported by the specification at page 8, lines 24-26.

Information Disclosure Statement

Applicant respectfully requests that a copy of the 1449 Form, listing all references that were submitted with the Information Disclosure Statement filed on August 5, 1998, marked as being considered and initialed by the Examiner, be returned with the next official communication. Applicant has attached a copy of the Information Disclosure Statement as filed on August 5, 1998, along with a copy of the date stamped postcard showing receipt by the U.S. Patent and Trademark Office.

§102 Rejection of the Claims

The Examiner has again rejected claims 1-3, 14, 15, 19, 28-31 under 35 USC § 102(b) as being anticipated by Okada et al (Okada) The Examiner asserts that Okada discloses a water-oil emulsion having a water-soluble drug in the aqueous phase and a polymer in the oil phase. The Examiner points to Example 1 of Okada or the details of this emulsion.

Applicants submit that their claims, as amended, overcome this rejection.

Okada requires that his inner aqueous layer contain the water-soluble drug and "a drug retaining substance therefor". Okada col. 1, lines 30-32. Okada describes the drug retaining substance as a "substance which is soluble in water and hardly soluble in the organic solvent contained in said oil layer and when dissolved in water assumes a viscous semi-solid consistency

AMENDMENT AND RESPONSE UNDER 37 CFR § 1.116 – EXPEDITED PROCEDURE

Serial Number: 09/060047 Filing Date: April 14, 1998

Filing Date: April 14, 1998

Title: EMULSIONS FOR IN-SITU DELIVERY SYSTEM

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or a substance which gain considerable in viscosity to provide a semi-sold or solid matrix under the influence of an external factor ...". Okada, col. 4, lines 12-18. Okada provides examples of the drug retaining substance as natural or synthetic mucilages and high molecular weight compounds such as gum acacia, casein, gelatin, collagen, cellulosic polymers and the like. Okada, col. 4, lines 23-38.

Exemplary of this "drug retaining substance" is Okada's Example 1. This Example discloses that an aqueous gelatin solution is combined with the drug TAP-144. The gelatin is the "drug retaining substance". The gelatin is the first material to be combined to form Okada's composition thus showing that it is always present. In fact, gelatin is the "drug retaining substance used in almost all of Okada's Examples. Other similar "drug retaining substances" are used in the same fashion those Examples not using gelatin.

Applicants' claims, as amended, exclude such a drug retaining substance from their recited biologically active mixture, which is the aqueous phase of Applicants' composition. This mixture consists essentially of an aqueous medium and the biologically active agent (drug). The aqueous medium is water or an aqueous solution of water-like consistency. None of such additives for the aqueous medium is capable of acting as a drug retaining substance such that the aqueous medium of Applicants' composition has or is capable of producing a semi-solid consistency as is required of Okada's drug retaining substance in his aqueous layer.

For this reason, Applicants submit that their claims, as amended, are not anticipated by Okada.

AMENDMENT AND RESPONSE UNDER 37 CFR § 1.116 – EXPEDITED PROCEDURE

Serial Number: 09/060047 Filing Date: April 14, 1998

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CONCLUSION

Applicants respectfully submit that their claims are in condition for allowance and notification to that effect is earnestly requested. The Examiner is invited to telephone Applicants' attorney (612) 373-6939 to facilitate prosecution of this application.

If necessary, please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

Respectfully submitted,

RICHARD L. DUNN

By his Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

P.O. Box 2938

Minneapolis, MN 55402

(612) 373-6939

A James Nelson

Reg. No. 28,650

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Mail Stop AF, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this day of July, 2004.

Name

Signature

Receipt is hereby acknowledged for the following in the U.S. Patent and Trademark Office:
In re Application of: DUNN
For: EMULSIONS FOR IN-SITU DELIVERY SYSTEMS
Docket No.: 8905.157US01
Filed: APRIL 14, 1998
Due Date: AUGUST 14

Serial No.: 09/060,047 Due Date: AUGUST 14, 1998 (informal)

Date Mailed: August _____, 1998
Transmittal Sheet in duplicate containing Certificate of Mailing
Other: Information Disclosure Statement, Form 1449, and copies of cited references

Patent

AJN:PSTcbb

Receipt is hereby acknowledged for the following in the U.S. Patent and Trademark Office:
In re Application of: DUNN
For: EMULSIONS FOR IN-SITU DELIVERY SYSTEMS
Docket No.: 8905.157US01
Serial
Filed: APRIL 14, 1998
Due Date: AUGUST 14

Serial No.: 09/060,047 Due Date: AUGUST 14, 1998 (informal)

Date Mailed: August 5, 1998
Transmittal Sheet in duplicate containing Certificate of Mailing
Other: Information Disclosure Statement, Form 1449, and copies of cited references
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Patent

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

DUNN

Examiner:

UNKNOWN

09/060,047

Group Art Unit:

1615

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APRIL 14, 1998

Docket:

8905.157US01

Title:

EMULSIONS FOR IN-SITU DELIVERY SYSTEMS

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this Transmittal Letter and the paper, as described hereinabove, are being deposited in the United States Postal Service, as first class mail, with sufficient postage, in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 2023, on August

Albin J. Nelson

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

We are transmitting herewith the attached:

☐ Transmittal Sheet in duplicate containing Certificate of Mailing

Other: Information Disclosure Statement, Form 1449, and copies of cited references

Return postcard

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers, if appropriate. Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. A duplicate of this sheet is enclosed.

MERCHANT, GOULD, SMITH, EDELL, WELTER & SCHMIDT 3100 Norwest Center, Minneapolis, MN 55402 (612) 332-5300

Name: Albin J. Nelson Reg. No.: 28,650

AJN:PSTcbb

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

DUNN

Examiner:

UNKNOWN

Serial No.:

09/060,047

Group Art Unit:

1615

Filed:

APRIL 14, 1998

Docket No.:

8905.157US01

Title:

EMULSIONS FOR IN-SITU DELIVERY SYSTEMS

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this Transmittal Letter and the paper, as described hereinabove, are being deposited in the United States Postal Service, as first class mail, with sufficient postage, in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on August 5, 1998.

By: ()// OLn

INFORMATION DISCLOSURE STATEMENT (37 C.F.R. §1.97(b))

Assistant Commissioner for Patents Washington, D.C. 20231

Dear Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner.

This statement should be considered because it is submitted before the mailing date of a first Office Action on—the—merits. Accordingly, no fee is due for consideration of the items listed on the enclosed Form 1449.

In accordance with 37 C.F.R. §1.98(a)(2), a copy of each document or other information listed on the enclosed Form 1449 is provided.

No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to establish that the reference(s) are not "prior art." Moreover, Applicants do not represent that a reference has been thoroughly reviewed or that any relevance of any portion of a reference is intended.

Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. 609, it is requested that the Examiner return a copy of the attached Form 1449, marked as being considered and initialled by the Examiner, to the undersigned with the next official communication.

Please charge any additional fees or credit any overpayment to Deposit Account No. 13-2725.

Respectfully submitted,

MERCHANT, GOULD, SMITH, EDELL, WELTER & SCHMIDT, P.A. 3100 Norwest Center 90 South Seventh Street

Minneapolis, MN 55402

612/332-5300

Date: August S, 1998

Albin J. Nelson

Reg. No. 28,650

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Sheet 1 of 6

FORM	1449*
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INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

IN AN APPLICATION

Docket Number: 8905.157US01

Application Number: 09/060;047

Applicant: DUNN

Filing Date: 04/14/1998

Group Art Unit: 1615

G TRADEMERY			U.S. PATENT DOCUMEN	TS		
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,759,563	06/02/1998	Yewey et al.			
	5,744,153	04/28/1998	Yewey et al.			
	5,739,176	04/14/1998	Dunn et al.			
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Sheet 2 of 6

NFORMATION DISCLOSURE STATEMENT	INFORMATION DISCLOSURE STATEMENT	Docket Number: . 8905.157US01	Application Number: 09/060,047	
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	(Use several sheets if necessary)	Filing Date: 04/14/1998	Group Art Unit: 1615	

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Sheet 3 of 6

	INFORMATION DISCLOSURE STATEMENT
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IN AN APPLICATION

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Docket Number: Application Number: 8905.157US01 09/060,047

Applicant: DUNN

Filing Date: 04/14/1998 Group Art Unit: 1615

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Sheet 4 of 6

FORM 1449* INFORMATION DISCLOSURE STATEMENT		Docket Number: Application Number: 8905.157US01 09/060,047		
IN AN APPLICATION		Applicant: DUNN		
JUL 0 6 2004 NO (Use sever	(Use several sheets if necessary)	Filing Date: 04/14/1998	Group Art Unit: 1615	

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Sheet 5 of 6

IN AN APPLICATION		Docket Number: 8905.157US01	Application Number: 09/060,047	
		Applicant: DUNN		
111 0 8 2004 TO	(Use several sheets if necessary)	Filing Date: 04/14/1998	Group Art Unit: 1615	

 	F	OREIGN PATENT DOCUME	NTS			
DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO
 1 261 549	09/26/1989	CA				
 0 140 766	05/08/1985	EP				
 0 159 293	10/23/1985	EP			Abstract	
 0 169 016	01/22/1986	EP				
 0 171 173	02/12/1986	EP				
 0 241 178	10/14/1987	EP				
 0 244 118	11/04/1987	EP				
 0 271 831	06/22/1988	EP				
0 297 535	01/04/1989	EP				
 0 430 474	06/05/1991	EP				
 0 537 559	04/21/1993	EP				
0 539 751	05/05/1993	EP				
0 560 014	09/15/1993	EP		···		
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2 126 270	10/06/1972	FR			Abstract	
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 WO 85/00969	03/14/1985	PCT				
WO 85/02092	05/23/1985	PCT	+			
 WO 89/01006	02/09/1989	PCT	-		 	

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if reference considered, whether or not citation is in conform considered. Include copy of this form for next communication to the Applicant.	nance with MPEP 609; draw line through citation if not in conformance and not

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Sheet 6 of 6

INFORMATION DISCLOSURE STATEMENT		Docket Number: Application Number: 8905.157US01 09/060,047			
IN AN APPLICATION	Applicant: DUNN				
(Use several sheets if necessary)		Filing Date: 04/14/1998	Group Art Unit: 1615		

····		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
	1	Gref, R. et al., "Biodegradable long-circulating polymeric nanospheres", <i>Science</i> , 263:1600-1602 (March 18, 1994).
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ı	EAAMINER	DATE CONSIDERED	
- 1	EXAMINER: Initial if reference considered, whether or not citation is in another		